Evan Des Rivières

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EDUCATION

Cyber Security (Co-op) - Advanced Diploma
Fanshawe College of Applied Arts and Technology, London, Ontario – 09/2024 to 12/2027

- Focused learning in the areas of information security, ethics, network management, programming, operating systems, relational databases, and security policy.
- 4.0 Semester 1 Weighted Average.

Ontario Secondary School Diploma
Lockerby Composite, Sudbury, Ontario – 09/2019 to 06/2023

TECHNICAL & WORKPLACE SKILLS

- Proven track record of exceptional attendance and punctuality
- Strong two-way communicator.
- Thrives in a team environment.
- Hands-on experience weekly in our physical networking lab.
- Persistence in the face of obstacles.
- Configured multiple Cisco routers weekly, including network subnetting.
- Populating network route tables. Using dynamic protocols like RIP, and OSPF.
- Setting up Cisco switches, and determining the most suitable port security enforcement rules.
- Writing C++, programs with multithreading,mutexes,structs,vectors,classes, header guards, and recursion.
- Writing C programs featuring file handling,header files,structs, malloc, and preprocessing.
- Working with Layer 4 protocols in class, and implementing their use in coding projects.
- Creating MySQL multi-table databases, and scripting custom queries.
- Bash Scripting to automate repetitive command processes.
- Wrote Nmap scripts, in LUA, for service scanning.
- Identifying vulnerabilities in CTF environments using Nmap, Fuff, Netcat, BurpSuite, Nessus, and Metasploit.

PERSONAL PROJECTS

Development of Remote Administration Server Program - Ongoing project
- Developing a multiple file C++ remote administration server, .
- TCP/IP socket communication over the internet using the windows API.
- Multithreaded Object Oriented Design, utilizing mutexes for safe data access.
- Maintaining robust documentation, on program functionality and code design.
- Built as an extensible modular framework, providing well abstracted functions to enable system administrators to efficiently modify and scale the program's functionalities.
- Safely operated when tested with 120 concurrent client connections.

Custom Microprocessor PCB Development and sourced fabrication - Complete project[link will be added]
- Used Kicad to develop the board circuit, and board layout.
- Worked with the manufacturer to source components and quickly solve issues during production.
- Achieved dependable reliability, and functionality across the I2C,SWD, and UART connections.

WORK EXPERIENCE

Gap Year
Arizona, USA & Morocco – 03/2024 to 08/2024

I took six months to travel and spend time with family, immersing myself in different cultures. During this period, I focused on self directed C++ learning, and delved into multiple personal projects.

Grocery Store Deli Clerk
Andrews Independent Grocer, Coniston, Ontario – 08/2023 to 03/2024

- Provided leadership by training new team members, and proactively helping customers.
- Consistently met internal and external service standards in a fast-paced environment

- Was entrusted with increasing responsibility due to a positive attitude and proactive work ethic .
- Worked in a self-directed small team environment- collaborated with colleagues to prioritize and complete required tasks.